

# FOIA Electronic Reading Room

## Document Coversheet

**Document Description:** Contract N68936-00-D-0022 Delivery Order 0222

☐

**This document has been released in its entirety.**

☒

**Portions of this document have been excised pursuant to the Freedom of Information Act. The applicable portion(s) excised and the exemption(s) applied are below indicated.**

☐

Exemption (b)(1) Information excised is properly and currently classified in the interest of national defense or foreign policy

☒

Exemption (b)(2) Information excised is related solely to the internal rules and practices of the Agency.

☐

Exemption (b)(3) Information excised is specifically exempt from disclosure by an Executive Order or Statute. Specifically:

☐

Exemption (b)(4) Information excised is commercial or financial information received from outside the Government and is likely to cause substantial harm to the competitive position of the source providing the information.

☐

Exemption (b)(5) Information excised is internal advice, recommendations, or subjective evaluations pertaining to the decision-making process of the Agency.

☐

Exemption (b)(6) Information excised is certain individual names and personal identifiers and is excised for heightened interest in the personal privacy of Department of Defense personnel that is concurrent with the increased security awareness demands.

☐

Exemption (b) (7) Information excised is investigatory records or information compiled for law enforcement purposes

☐

Exemption (b)(8) Information excised is records for the use of any agency responsible for the regulation or supervision of financial institutions

☐

Exemption (6)(9) Information excised is records containing geological and geophysical information (including maps) concerning wells.

Please direct inquiries regarding this document to:  
Naval Air Warfare Center Weapons Division  
Code K00000D (FOIA)  
1 Administration Circle Stop 1009  
China Lake, CA 93555-6100.

ORDER FOR SUPPLIES OR SERVICES						PAGE 1 OF 34						
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N68936-00-D-0022		2. DELIVERY ORDER/ CALL NO. 0222		3. DATE OF ORDER/CALL 2003Oct01		4. REQ./ PURCH. REQUEST NO. 0010068931		5. PRIORITY				
6. ISSUED BY CDR NAWCWD CODE 210000D ATTN: L. ALDRIDGE (760) 939-2799 429 E BOWEN RD - STOP 4015 CHINA LAKE CA 93555-6108				7. ADMINISTERED BY  <b>SEE ITEM 6</b>		8. DELIVERY FOB <input checked="" type="checkbox"/> DEST <input type="checkbox"/> OTHER  (See Schedule if other)						
9. CONTRACTOR EER SYSTEMS INC CHUCK FARIS 3750 CENTERVIEW DRIVE CHANTILLY VA 20151				10. DELIVER TO FOB POINT BY (Date) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input checked="" type="checkbox"/> SMALL DISADVANTAGED <input checked="" type="checkbox"/> WOMEN-OWNED						
13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15												
14. SHIP TO  <b>SEE SCHEDULE</b>				15. PAYMENT WILL BE MADE BY DFAS - CLEVELAND CENTER & OPLOC SAN DIEGO 4181 RUFFIN ROAD SAN DIEGO CA 92123-1819		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.						
16. TYPE OF ORDER		DELIVERY/ CALL <input checked="" type="checkbox"/>		This delivery order/call is issued on another Govt. agency or in accordance with and subject to terms and conditions of above numbered contract. Reference your quote dated _____ Furnish the following on terms specified herein. <b>ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.</b>								
NAME OF CONTRACTOR		SIGNATURE		TYPED NAME AND TITLE		DATE SIGNED (YYYYMMDD)						
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: <b>1</b>												
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  <b>See Schedule</b>												
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES			20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		<b>SEE SCHEDULE</b>										
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle					24. UNITED STATES OF AMERICA BY: JAME T RIOS			25. TOTAL \$906,516.95		29. DIFFERENCES		
26. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED  DATE _____ SIGNATURE OF AUTHORIZED GOVT. REP. _____					27. SHIP NO.  <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		28. DO VOUCHER NO.  32. PAID BY		30. INITIALS			
36. I certify this account is correct and proper for payment.  DATE _____ SIGNATURE AND TITLE OF CERTIFYING OFFICER _____					31. PAYMENT  <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				33. AMOUNT VERIFIED CORRECT FOR			
									34. CHECK NUMBER			
									35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.		

## SECTION B Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001		10,180.00	Labor Hours		\$ NTE

AV-8B Weapons and Avionics Support

CPAF - In accordance with SOW entitled "

AV-8B Weapons and Avionics Integration and System Analysis Support", dated 8-15-03.

Period of performance from 10-1-03 through 9-30-04.

This task order is severable

PURCHASE REQUEST NUMBER 0010068931

ESTIMATED COST \$598,476.99

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000101	For Navy Accounting Purposes Only CPAF PURCHASE REQUEST NUMBER 0010073503 ACRN AA Funded Amount				\$17,238.00

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000102	For Navy Accounting Purposes Only CPAF PURCHASE REQUEST NUMBER 0010073503 ACRN AB Funded Amount				\$33,411.00

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002		5,090.00	Labor Hours		\$

AV-8B Weapons and Avionics Support  
CPAF - In accordance with SOW entitled  
"AV-8B Weapons and Avionics Integration and System Analysis Support",  
dated 8-15-03.  
Period of performance from 10-1-04 through 3-31-05.  
This task order is severable

ESTIMATED COST \$308,039.96

SECTION C Descriptions and Specifications

Contract No. N68936-00-D-0022  
Task Order No. 0222  
Revision: 8/15/2003 FINAL

**STATEMENT OF WORK**

**AV-8B WEAPONS AND AVIONICS INTEGRATION AND  
SYSTEM ANALYSIS SUPPORT**

Applicable Contract SOW Sections: 3.2.5, 3.2.6, 3.3.1, and 3.3.3

**1.0 BACKGROUND AND GENERAL SCOPE OF WORK**

**1.1 BACKGROUND:**

The ASW, Assault and Special Programs Branch of the Avionics Department at NAVAIR Weapons Division (NAVAIR-WD), China Lake is responsible for AV-8B weapons and avionics integration and weapon system analysis. Responsibilities include integration of avionics and weapons in the AV-8B laboratories and on AV-8B aircraft, development and maintenance of integration documentation, evaluation of weapon delivery data, ballistic algorithm development and validation, and Operational Flight Program (OFP) software development and maintenance. China Lake is responsible for supporting all current and future versions of the AV-8B aircraft. Current AV-8B versions include: Night Attack, Harrier II+ (Radar), and Trainer.

**1.2 GENERAL SCOPE:**

The Contractor shall perform subsystem engineering, testing, weapons integration, avionics integration, software development and system analysis during the design and development (D&D) testing phases of the OFP development cycle. The Contractor shall provide the NAVAIR-WD ASW, Assault and Special Programs Branch (Government Customer, see ref. 2.2(t)) with the following technical services, as defined by Section 3 of this Statement of Work (SOW):

- AV-8B weapons system integration subsystem analysis/engineering
- AV-8B weapons system test procedure preparation
- AV-8B weapon system laboratory and ground test support
- AV-8B avionics system integration subsystem analysis/engineering
- AV-8B avionics system test procedure preparation
- AV-8B avionics system laboratory and ground test support
- AV-8B OFP software development and maintenance engineering

This Statement of Work is a follow-on to Task Orders (TO) 0202 and 203 (Section 3.15, only) of Contract N68936-00-D-0022.

## 2.0 APPLICABLE DOCUMENTS

See reference 2.2(s) relative to undefined acronyms.

See the Government Technical Assistant (TA) for location or source of the current issue/version of all Government documents.

### 2.1 SPECIFICATIONS, STANDARDS, AND HANDBOOKS

- a) MIL-STD-1760B Aircraft/Store Electrical Interconnection System
- b) MIL-STD-1553B Aircraft Internal Time Division Command/Response Multiplex Data Bus

### 2.2 OTHER DOCUMENTS, DRAWINGS, AND PUBLICATIONS

- a) A1-AV8BB-LWS-000 Airborne Weapons/Stores Loading Manual
- b) A1-AV8BB-NFM-000 NATOPS Flight Manual
- c) AV-8B Weapons Interface Control Documents:
  - 1. SDN 3103-53 Interface Control Document, AV-8B/AIM-9M Missile
  - 2. 97H0011 Interface Control Document, AV-8B/AMRAAM
- d) A1-AV8BB-TAC-000 AV-8 Tactical Manual NWP 3-22.5-AV8B
- e) A1-AV8BB-741-500 Weapons Control Systems Schematics
- f) Boeing, St. Louis, DOORS Database
- g) A1-AV8BB-SCM-000 Organizational Maintenance, Software Configuration Manual
- h) OPNAV Instruction 4790.2 Series Naval Aviation Maintenance Program
- i) AV-8B Master Schedule
- j) AV-8B Program Plans
- k) AV-8B Cost Data Reporting Requirements
- l) AV-8B CMS Loading Procedures
- m) NWC IDP 3736 Security Guidelines
- n) SDN AV8B-755 System Development Plan (SDP)
- o) AV-8B Systems Development Roadmap
- p) Boeing (St. Louis) OSCAR Avionics System/Software Guide (ASSG)
- q) AIRTEVRON 31 Instruction 5100.1
- r) AV-8B Weapons Integration OFP Loading Procedures
- s) AV-8B Acronym List
- t) Government Points of Contact, contract N68936-00-D-0022
- u) AV-8B Test Plans
- v) Mission Support Task Team Software Development Procedures Set: Develop Module Requirements (AM Proc-001: Implement Requirements (AM Proc-002); & Software Review Package (SRP) Completion (AM Proc 003)

### 3.0 REQUIREMENTS

3.0.1 General Requirements -- As specified in Sections 3.1 - 3.9, the Contractor shall provide the Avionics and Weapons Integration Task Team (Government Customer, see ref. 2.2(t)) with the following technical services:

- a. AV-8B avionics and weapons system Integration subsystem analysis/engineering.
- b. AV-8B avionics and weapons system test procedure preparation.
- c. AV-8B avionics and weapon system laboratory, ground, and flight-test support.
- d. AV-8B software development and maintenance.

In performing the requirements of this Task Order, the Contractor's personnel shall perform as members of a Government/Contractor Integrated Product Team, and shall use established Government work processes.

3.0.2 Projects Supported -- The SOW requirements are applicable to the:

- a. Operational Flight Programs (OMNIs) and Projects identified in the AV-8B Master Schedule and Program Plans (refs. 2.2(i) & 2.2(j))
- b. Engineering Studies
- c. Fleet Support

3.0.3 Work Environment: The Contractor will be performing as a member of an integrated Government-Contractor Team, performing tasks in accordance with established Government work processes. The tasking defined within this SOW will require the contractor to interface with other on-Site Team members (both Government and other Contractors) on a frequent basis and to be available for on-Site technical interface initiated by other Team members. The tasking defined within this SOW will require the Contractor to utilize the unique AV-8B software laboratory testing facilities at the NAVAIR-WD, China Lake, CA.

3.0.4 Weekly Task Coordination Meetings -- The Contractor's Task Order Task Leader (TL) shall attend a weekly task coordination meeting with the Government's Technical Assistant (TA, see ref. 2.2(t)). The meeting discussions will address schedule updates and deviations, problems encountered, and priorities.

3.0.5 Work Assignment -- The Contractor may be assigned specific Projects (Section 3.0.2) and OFPs related to the tasking described in the following Sections of this SOW by Technical Direction Letters (TDLs), approved by the Contracting Officer's Representative (COR, ref. 2.2(t)). Other tasking, within assigned Projects and OFPs, is initiated by Program Schedules, Action Items documented in Meeting Minutes, or by tasking documents deposited in the Contractor Task Order Task Leader's (TL) "in-box", or transmitted to the Contractor via EMail.

3.0.6 Project Schedules -- Project schedules are from the AV-8B Master Schedule (ref. 2.2(i)) and AV-8B Program Plans (ref. 2.2(j)). All schedules are subject to change. Schedule changes will be disseminated via hard copy, EMail, at the TL/TA weekly meetings, at weekly Project meetings or via the AV-8B "on-line" schedule.

3.0.7 Specialized Training -- Specialized training in new Navy weapons procedures or handling and test processes may be required during the period of performance of this Task Order (see Section 3.2).

3.0.8 Transportation -- The tasking of this Task Order may require the use of Government-owned vehicles on-base to transport equipment and personnel to/from the NAWS, China Lake, airfield flight line area (see Sections 3.1 - 3.4).

### 3.1 SYSTEM RESEARCH AND ANALYSIS:

This Section may require travel, domestic and/or foreign, to research and gather technical information.

- 3.1.1 The Contractor shall gather operational characteristics data about assigned avionics or weapons/stores scheduled for integration into AV-8B weapons systems (see refs. 2.2(i) & 2.2(j)). The data is intended to be used during the future integration of the avionics or weapon/store into the AV-8B weapon system. Data shall be gathered from the applicable Weapon Program Offices and/or groups and participants associated with the weapons scheduled for AV-8B integration. The Contractor shall compile the data, recommend methods and options available for integration, and present the findings in a Weapon/Store Operational Characteristics Report (CDRL B001) for each assigned weapon.

This task, including assigned weapon(s), recommended "Points of Contact", and requirement dates will be initiated in accordance with Section 3.0.5.

It is projected that 4 Weapon/Store Operational Characteristics Reports will be required per year.

- 3.1.2 Using the data gathered in Sect. 3.1.1, the Contractor shall update existing documentation (CDRL B002) or draft recommended changes to AV-8B documentation (CDRLs B003, & B004) associated with the weapons that are scheduled for AV-8B integration and release to the Fleet (see refs. 2.2(i) & 2.2(j)). Affected documents may include:

- Release and Control Procedures (ref. 2.2(a)) (CDRL B002)
- Loading Procedures (ref. 2.2(a)) (CDRL B002)
- NATOPS (ref. 2.2(b)) (CDRL B003)
- Tactical Manuals (ref. 2.2(d)) (CDRL B004)
- Other AV-8B System Documentation or Procedures (CDRL B002)

This task, including specific weapon, affected documents, and requirement dates will be initiated in accordance with Section 3.0.5.

It is projected that 4 proposed document changes will be required per year.

- 3.1.3 The Contractor shall perform weapon and avionics testing on AV-8B aircraft and simulators in accordance with DOORS (ref. 2.2(f)) for the Projects identified in Sect. 3.0.2 and the "on-line" AV-8B Program/Test Schedule. The Contractor shall prepare Test Plans for Government approval in advance of weapon or avionics testing (CDRL B005). After approval of Test Plans, the Contractor shall perform the weapon or avionics testing in accordance with the Test Plans. The Contractor shall prepare Test Reports upon conclusion of weapon or avionics testing (CDRL B006). Test Reports shall contain the following minimum content:

- When testing was conducted
- Who participated in the testing?
- Copy of the test procedures with annotations of pass or fail of each test
- Any anomalies observed
- Recommendations resulting from said testing.

In the course of performing the weapon testing discussed above, the Contractor shall report all observed system or facility troubles or anomalies in the form of on-line Problem Reports (PRs), System Anomaly Reports (SARs), System Trouble Reports (STRs), and Facility Trouble Reports (FTRs). The SARs, STRs, and FTRs must be submitted on the official forms approved by Government (specific Government point of contact will be identified by the TA during the first work coordination meeting), AV-8B JSSA Integrated Product Team. Data can be handwritten, typed, or submitted electronically.

Assignment of specific weapon or avionics systems and OFPs will be initiated in accordance with Section 3.0.5.

It is projected that 20 test series will be required per year.

- 3.1.4 Associated with the foregoing tasking (Sects. 3.1.1 - 3.1.3), the Contractor shall attend related local technical meetings identified in the AV-8B Program Schedules to track status, gather technical information/data, and to provide verbal contribution or presentations in their areas of tasking or expertise.

It is projected that the Contractor will attend 8 meetings per month.

### 3.2 SUBSYSTEM ENGINEERING

Relative to Sections 3.2.1 - 3.2.4, it is projected that 4 weapon or avionics system integration activities will be "in-work" by the Contractor at all times during the period of performance.

- 3.2.1 The Contractor shall perform weapons or avionics integration (as defined below) on new weapons/stores/avionics scheduled for AV-8B aircraft (see refs. 2.2(i) & 2.2(j)). The Contractor shall use the results of prior research, compilation, and evaluation of the new weapon/store/avionics (see Sects. 3.1.1 - 3.1.3), together with existing weapon and avionics implementation philosophy (refs. 2.1(a) & 2.2(e)) to develop Recommended Options for new weapon or avionics implementation on the AV-8B aircraft (CDRL B007) in accordance with references 2.1(a), 2.1(b), & 2.2(a) - 2.2(i).

This task, including specific weapon or avionics and requirement dates, will be initiated in accordance with Section 3.0.5.

After the Government has selected an option relative to CDRL B007 (notification by a message in the TL's "in-box" or by EMail), the Contractor shall develop a document that defines in detail the electrical and mechanical interfaces and a recommended sequence of events associated with the weapon implementation (CDRL B008) on the AV-8B aircraft. This document will be used by the Government as the primary source of information for developing aircraft software changes required for weapon integration. Related to the "selected option", the Contractor shall generate (or modify existing) Interface Control Documents (ref. 2.2(c)) for the weapons interfaces (CDRLs B009 & B002).

- 3.2.2 The Contractor shall formulate solutions to encountered problems related to integration of candidate weapons systems tasked in Sect. 3.2.1 (CDRL B00A).

Problems to be addressed by this tasking will be initiated in accordance with Section 3.0.5.

- 3.2.3 The Contractor shall design, build prototypes, test, and document (CDRL B00B) special test equipment and electrical breakout boxes required to perform subsystem tests for the weapon or avionics integration defined in Sect. 3.2.1 if the test equipment and breakout boxes are not available as Government furnished material/equipment. Materials for building prototypes will be provided by the Government and remain in Government custody. This task shall be performed in accordance with sample documentation and hardware available from the TA. Design effort shall be performed using the computerized design tools and programs available on the computers provided for Contractor use.

This task, including specific weapon and requirement dates, will be initiated in accordance with Section 3.0.5.

It is projected that this effort will be tasked 2 times per year.

- 3.2.4 The Contractor shall perform periodic cryptographic key loading into new weapon systems during the ground support phase of weapon and avionics integration. Loading of "keys" will be done according to established procedures and security guidelines (refs. 2.2(l) & (m)). Task initiation will be via a "Maintenance Directive" deposited into the TL's "in-basket" or transmitted via EMail.

This task is projected to be required approximately once per week.



### 3.3 WEAPON SYSTEM TEST PROCEDURE PREPARATION

The Contractor shall prepare weapon and avionics system Test Procedures for Government approval (CDRL B00C) that correctly implement the AV-8B Operational Flight Program (OFP) software requirements database. Test procedures shall be developed through participation in the process of periodic peer reviews and laboratory evaluation.

Assignment of specific weapon systems and OFPs will be initiated in accordance with Section 3.0.5.

It is projected that 20 test procedures will be required per year.

### 3.4 WEAPON SYSTEM LABORATORY AND GROUND TEST SUPPORT

The Contractor shall participate in and conduct laboratory and aircraft ground testing of AV-8B weapon and avionics systems using existing Test Procedures and Procedures developed in Section 3.3 of this SOW. The Contractor shall prepare Test Reports (CDRL B006) upon conclusion of testing.

Test Reports shall contain the following minimum content:

- When testing was conducted
- Who participated in the testing
- Copy of the test procedures with annotations of pass or fail of each test
- Any anomalies observed

Assignment of specific weapon or avionics system testing will be initiated in accordance with Section 3.0.5.

The requirements of this Section may require travel, domestic and/or foreign, for weapon or avionics system testing at non-local sites.

It is projected that 30 tests will be required per year.

### 3.5 TRIP REPORTS:

Upon completion of any non-local travel related to the tasking of this SOW, Contractor shall prepare and deliver within 9 working days a Trip Report (CDRL B00D) which shall include the purpose of travel, persons contacted, and significant results of the trip. The trip report is to be submitted to the TA and Alternate TA for disposition.

### 3.6 MONTHLY PROGRESS / STATUS REPORT:

The Contractor shall deliver a Monthly Progress/Status Report (CDRL B00E) no later than 9 working days after the close of each monthly accounting period. The Report shall include a summary of work performed for each task, problems encountered, problems solved, trips made, current schedules, and cost information. Cost information shall include monthly and cumulative funds/hours expended and a trend analysis graph depicting actual and planned expenditures. Additional information shall be provided as specified elsewhere in this Statement of Work.

Tasking initiated by Technical Direction Letter (TDL) during the reporting period shall be documented.

### 3.7 AV-8B COST DATA REPORTING

The Contractor shall develop and make available a monthly AV-8B Actual Cost Data Report no later than 9 working days after the close of each monthly accounting period. The Government will use the data as input into the Government's Earned Value Management System (EVMS). The Report shall contain the data fields and structure defined in Reference 2.2(k) for the reporting period. The Report shall be structured into an electronic data file in accordance with Reference 2.2(k). The Report shall be provided to the Government via posting on a Contractor's

web page accessible to the Government, or by an alternate means acceptable to the Government. The Government recognizes that the data provided would be "Contractor Proprietary" and will handle the data accordingly.

### 3.8 AVIONICS SERVICING

As a minor collateral duty to other tasks defined within this SOW, the Contractor shall perform the tasks defined in Sections 3.8.1 & 3.8.2 as a "backup" to the person(s) regularly performing these duties. If assigned, the Contractor shall perform this tasking in accordance with the published AV-8B Flight Test Schedules (ref. 2.2(n)). This task will be initiated by a Test Support Request deposited in the Contractor Task Leader's in-box or via e-mail approximately 1 workday prior to the required service. The Test Support Request will define the specific task(s) to be performed (see Sections 3.9.1 & 3.9.2), specific avionics equipment, and the specific test flight(s) to be supported (see ref. 2.2(n)).

This task is considered to be a minor collateral duty with an estimated frequency of occurrence of 5 actions per day when this task is activated.

3.8.1 The Contractor shall load software into the avionics equipment in the AV-8B laboratories, and in the NAVAIR WD and VX-31 AV-8B test aircraft in accordance with the approved Test Plan (ref. 2.2(u)) for the scheduled test. The Contractor shall comply with reference 2.2(r) for this task.

3.8.2 The Contractor shall install and/or uninstall avionics equipment in the AV-8B laboratories, and in the NAVAIR WD and VX-31 AV-8B test aircraft in accordance with the approved Test Plan (ref. 2.2(u)) for the scheduled test. The Contractor shall comply with references 2.2(h) & 2.2(q) for aircraft installs/uninstalls.

### 3.9 AV-8B SOFTWARE DEVELOPMENT AND MAINTENANCE

**Background:** The major task area for the Software Engineering Task Team (SETT) will be completion and maintenance of the re-engineering of the AV-8B OMNI C1 OFP (continued from Task Order 0203) using an Object Oriented Methodology (OOM). Typical phases of software development projects will occur such as software requirements analysis, software design using OOM, and software code construction using the C++ computer language. The OMNI C1 OFP will be re-engineered in an iterative approach, and then enhanced, as shown in the OC1.1, OC1.2, and H2.0 sections of the AV-8B Master Schedule (MS, ref. 2.2(i)), and the AV-8B Systems Development Roadmap (ref. 2.2(o)), using processes and procedures described in the ASSG (ref. 2.2(p)). The re-engineering of the OMNI-C1 OFP is being conducted as a joint effort between the SETT (China Lake) and Boeing (St Louis). Boeing (St Louis) is the "lead" party of the re-engineering effort.

The requirements of this Section may require non-local travel, domestic and/or foreign, to attend meetings, perform and/or witness testing, and data gathering.

#### 3.9.1 Potential assignments identified in the AV-8B Master Schedule include:

The Contractor shall perform assigned software development tasks defined in the AV-8B Master Schedule (ref. 2.2(i)). The Contractor shall perform such efforts as software requirements analysis, design, coding, testing, and documentation. Each specific software development task will be initiated in accordance with Section 3.0.5. The task initiation will assign the Contractor to perform a task listed in the AV-8B Master Schedule in accordance with a due date defined in the MS. The Contractor shall perform all software development and maintenance efforts in accordance with the standards and processes described in references 2.2(g) & 2.2(p). The Contractor shall develop and deliver a Software Development Package (CDRL B00F), containing the results of requirements analysis, design, and code construction developed during the software development or maintenance effort and in accordance with reference 2.2(p). Evaluation of work products will be based upon meeting schedule dates, the quality of the work products, and the amount of rework required.

The Contractor shall use the appropriate tools to perform each software development task, as specified in the System/Software Development Plan (SDP) (ref. 2.2(n)).

It is projected that 4 single-phase problems (i.e., 6 weeks in duration) will be assigned to the Contractor per calendar year. Potential iteration-phase problems that may be tasked include:

- a) Provide software code construction for Maverick inventory and moding;
- b) Provide software code construction for V/STOL CRUISE

### 3.9.2 Potential CSCI assignments:

The Contractor shall analyze requirements and design software for assigned Computer Software Configuration Items (CSCIs) within the AV-8B Mission Support System (MSS), in accordance with references 2.2(n) & 2.2(v), and the AV-8B Master Schedule (MS, ref. 2.2(i)). Each specific CSCI software development task will be initiated in accordance with Section 3.0.5. The task initiation will assign the Contractor to perform a task listed in the IMS in accordance with a due date defined in the MS. When completed, the Contractor shall deliver a Software Development Package (CDRL B00F) containing the results of requirements analysis, design, and code construction developed during the software development effort. Evaluation of work products will be based upon meeting schedule dates, the quality of the work products, and the amount of rework required.

It is projected that one of the following CSCIs will be assigned to the Contractor for analysis and design per calendar year:

- a) Operator Station (OPSTA)
- b) AV-8B Maintenance Station (AMS)
- c) Digital Aeronautical Flight Information File Import (DAFIF)
- d) AV-8B Landing Signal Officer Automated Shipboard Operating Bulletin (ALSO-A-SOB)
- e) Fatigue Life Tracking System (FLTS)
- f) AVJMPS

### 3.9.3 Software Engineering Process Improvement

The Contractor, as a member of the AV-8B IPT integrated Government/Contractor Team, shall participate in the IPT's Process Improvement effort. The Contractor shall meet this tasking by providing verbal contributions to the IPT in the areas of Process Improvement during any meeting that the Contractor participates in and in which the subject of Process Improvement is on the agenda.

During the performance of other tasking within this SOW, the Contractor shall observe the prevalent work processes being used and compare those observations with documented processes (ref. 2.2(v)). The Contractor shall verbally discuss deviations from documented processes observed or observed processes which are undocumented during the periodic work coordination meetings with the TA (see Section 3.0.4).

The Contractor is encouraged to verbally recommend to the TA any additional process improvements that could improve the overall Team operations.

<b>TASK ORDER EVALUATION DATA</b>		Contract Number: N68936-00-D-0022	
		TASK ORDER NUMBER: 0222	
<b>AWARD FEE FACTORS</b>			
<b>TECHNICAL (Quality of Products/Services delivered)</b>			
<input type="checkbox"/> 50 % weight <input checked="" type="checkbox"/> OTHER 60 % (See COR for information)			
CRITICAL FACTORS in the Technical area are: (List those factors/standards that will be considered in scoring this area) General Factors: <ol style="list-style-type: none"> <li>1. Innovation demonstrated in technical design or performance will increase score.</li> <li>2. Demonstrated Dedication to the Fleet will increase score.</li> <li>3. Failure to comply with all SOW requirements will lower score.</li> <li>4. Delivery of products or CDRLs that require more than negligible rework will lower score.</li> <li>5. Proactive communication with Government Technical Points of Contact regarding work status and "problem areas", with no "surprises", will increase score.</li> </ol>			
SOW Section 3.9 <ol style="list-style-type: none"> <li>6. Software programming competency and innovation will increase score.</li> </ol>			
<b>SCHEDULE (Timeliness of delivery of products/services)</b>			
<input type="checkbox"/> 25 % weight <input checked="" type="checkbox"/> OTHER 30 % (See COR for information)			
CRITICAL FACTORS in the Schedule area are: (List those factors/standards that will be considered in scoring this area) <ol style="list-style-type: none"> <li>1. Products and/or services delivered ahead of agreed to schedules or delivery requirements will increase score.</li> <li>2. Delivery IAW an excessively aggressive schedule (if required by the Government) will increase score.</li> <li>3. Contractor failure to proactively communicate to the Government's Technical Assistant any changes to delivery schedules will lower score.</li> </ol>			
<b>COST (Cost &amp; Resource Management)</b>			
<input type="checkbox"/> 25 % weight <input checked="" type="checkbox"/> OTHER 10 % (See COR for information)			
CRITICAL FACTORS in the Cost area are: (List those factors/standards that will be considered in scoring this area) <ol style="list-style-type: none"> <li>1. Contractor's costs are within 10% of expectations (accounting for effects caused by the Government).</li> <li>2. Contractor Management demonstration of exceptional skill in reallocating resources (usually personnel) in response to changing conditions (usually schedule or priorities) caused by the Government will increase score.</li> <li>3. Government-realized cost savings as a result of the Contractor's innovativeness or superior management initiative will increase score.</li> </ol>			
Technical Assistant:		Derrel Bebee      Date: 14-Aug-03	

## SECTION G Contract Administration Data

## ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 252 77777 0 054219 2F 000000  
AMOUNT: \$17,238.00

010467430030

AB: 97X4930 NH2C 252 77777 0 054219 2F 000000  
AMOUNT: \$33,411.00


010554200020

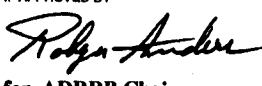
## CLAUSES INCORPORATED BY REFERENCE:

52.232-22 Limitation Of Funds

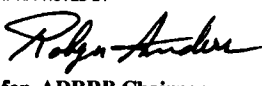
APR 1984

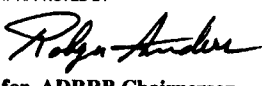
## DD Form 1423-1, 1 Jun 9090

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188								
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.													
A. CONTRACT LINE ITEM NO. <b>0001, WSISS TO 0222</b>		B. EXHIBIT <b>B</b>	C. CATEGORY: TDP      TM      OTHER: <b>ADMN</b>										
D. SYSTEM/ITEM <b>AV-8B Wpns Integ. &amp; Sys. Analysis</b>			E. CONTRACT/PR NO. <b>N68936-00-D-0022</b>		F. CONTRACTOR <b>EER Systems, Inc.</b>								
1. DATA ITEM NO. <b>B002</b>	2. TITLE OF DATA ITEM <b>REVISIONS TO EXISTING GOVERNMENT DOCUMENTS</b>			3. SUBTITLE									
4. AUTHORITY (Data Acquisition Document No.) <b>DI-ADMN-80925</b>		5. CONTRACT REFERENCE <b>TO SOW 3.1.2 &amp; 3.2.1</b>		6. REQUIRING OFFICE <b>TA (see SOW Ref. 2.2(t))</b>									
7. DD 250 REQ <b>NO</b>	9. DIST STATEMENT REQUIRED <b>See Block 16</b>	10. FREQUENCY <b>ASREQ</b>	12. DATE OF FIRST SUBMISSION <b>See Block 16</b>	14. DISTRIBUTION									
8. APP CODE <b>N/A</b>	11. AS OF DATE <b>N/A</b>	13. DATE OF SUBSEQUENT SUBMISSION <b>See Block 16</b>	a. ADDRESSEE		b. COPIES								
			Draft		Final								
			Reg.		Repro.								
			TA (see SOW ref. 2.2(t))		see    blk    16								
16. REMARKS  <b>See SOW Reference 2.2(t) for all Government Points of Contact.</b>  <b>blk 4:</b> Tailor DID as follows: Format shall be consistent with existing Customer Code standards (samples available from TA. See SOW reference 2.2(t)).  <b>blk 9:</b> Distribution Statement of the original document shall be retained.  <b>blks 12 &amp; 13:</b> Submit not later than 1 month prior to AV-8B OFP Fleet Release, or as specified by the task initiation document.  <b>blk 14:</b> Deliver one paper copy and the electronic document file. The electronic file shall be in an electronic format and via a media to be negotiated between the TA (see SOW ref. 2.2(t)) and the Contractor's Task Leader (TL).													
							15. TOTAL →			see		blk    16	
G. PREPARED BY <b>Naval Air Warfare Center, Weapons Division, Code 45C000D China Lake, CA 93555-6100</b>		H. DATE <b>2003 JUL 08</b>	I. APPROVED BY  <b>for ADRRB Chairperson</b>		J. DATE <b>2003 AUG 14</b>								

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)				Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.					
A. CONTRACT LINE ITEM NO. <b>0001, WSISS TO 0222</b>		B. EXHIBIT <b>B</b>	C. CATEGORY: TDP    TM    OTHER: <b>MISC</b>		
D. SYSTEM/ITEM <b>AV-8B Wpns Integ. &amp; Sys. Analysis</b>		E. CONTRACT/PR NO. <b>N68936-00-D-0022</b>		F. CONTRACTOR <b>EER Systems, Inc.</b>	
1. DATA ITEM NO. <b>B003</b>	2. TITLE OF DATA ITEM <b>TECHNICAL REPORT-STUDY/SERVICES</b>		3. SUBTITLE <b>Proposed NATOPS changes</b>		
4. AUTHORITY (Data Acquisition Document No.) <b>DI-MISC-80508</b>		5. CONTRACT REFERENCE <b>TO SOW 3.1.2</b>		6. REQUIRING OFFICE <b>TA (see SOW Ref. 2.2(t))</b>	
7. DD 250 REQ <b>NO</b>	9. DIST STATEMENT REQUIRED	10. FREQUENCY <b>ASREQ</b>	12. DATE OF FIRST SUBMISSION <b>See Block 16</b>		
8. APP CODE <b>N/A</b>	<b>See Block 16</b>	11. AS OF DATE <b>N/A</b>	13. DATE OF SUBSEQUENT SUBMISSION <b>See Block 16</b>		
16. REMARKS  <b>See SOW Reference 2.2(t) for all Government Points of Contact.</b>  <b>blk 4:</b> Tailor DID as follows: Format shall be consistent with existing Customer Code standards (samples available from TA. See SOW reference 2.2(t)).  <b>blk 9:</b> Distribution Statement D: Distribution authorized to the Department of Defense and U.S. DoD contractors only (Critical Technology) (08 July 2003). Other requests shall be referred to the Task Order Technical Assistant (TA, see SOW ref. 2.2(t)).  <b>blks 12 &amp; 13:</b> Submit not later than 1 month prior to AV-8B OFP Fleet Release, or as specified by the task initiation document.  <b>blk 14:</b> Deliver the electronic document file only. The electronic file shall be in an electronic format and via a media to be negotiated between the TA (see SOW ref. 2.2(t)) and the Contractor's Task Leader (TL).			14. DISTRIBUTION		
			a. ADDRESSEE <b>TA (see SOW ref. 2.2(t))</b>		
			15. TOTAL → <b>see    blk    16</b>		
G. PREPARED BY <b>Naval Air Warfare Center, Weapons Division, Code 45C000D China Lake, CA 93555-6100</b>		H. DATE <b>2003 JUL 08</b>	I. APPROVED BY  <b>for ADRRB Chairperson</b>		J. DATE <b>2003 AUG 14</b>

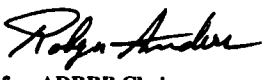


CONTRACT DATA REQUIREMENTS LIST (1 Data Item)				Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.					
A. CONTRACT LINE ITEM NO. <b>0001, WSISS TO 0222</b>		B. EXHIBIT <b>B</b>		C. CATEGORY: TDP    TM    OTHER: <b>MISC</b>	
D. SYSTEM/ITEM <b>AV-8B Wpns Integ. &amp; Sys. Analysis</b>		E. CONTRACT/PR NO. <b>N68936-00-D-0022</b>		F. CONTRACTOR <b>EER Systems, Inc.</b>	
1. DATA ITEM NO. <b>B004</b>		2. TITLE OF DATA ITEM <b>TECHNICAL REPORT-STUDY/SERVICES</b>		3. SUBTITLE <b>Proposed changes to Tactical Manuals</b>	
4. AUTHORITY (Data Acquisition Document No.) <b>DI-MISC-80508</b>		5. CONTRACT REFERENCE <b>TO SOW 3.1.2</b>		6. REQUIRING OFFICE <b>TA (see SOW Ref. 2.2(t))</b>	
7. DD 250 REQ <b>NO</b>	9. DIST STATEMENT REQUIRED	10. FREQUENCY <b>ASREQ</b>	12. DATE OF FIRST SUBMISSION <b>See Block 16</b>	14. DISTRIBUTION b. COPIES	
8. APP CODE <b>N/A</b>	<b>See Block 16</b>	11. AS OF DATE <b>N/A</b>	13. DATE OF SUBSEQUENT SUBMISSION <b>See Block 16</b>	a. ADDRESSEE	Draft    Final Reg.    Repr.
16. REMARKS				TA (see SOW ref. 2.2(t))    see    blk    16	
<p><b>See SOW Reference 2.2(t) for all Government Points of Contact.</b></p> <p><b>blk 4:</b> Tailor DID as follows: Format shall be consistent with existing Customer Code standards (samples available from TA. See SOW reference 2.2(t)).</p> <p><b>blk 9:</b> Distribution Statement D: Distribution authorized to the Department of Defense and U.S. DoD contractors only (Critical Technology) (08 July 2003). Other requests shall be referred to the Task Order Technical Assistant (TA, see SOW ref. 2.2(t)).</p> <p><b>blks 12 &amp; 13:</b> Submit not later than 1 month prior to AV-8B OFP Fleet Release, or as specified by the task initiation document.</p> <p><b>blk 14:</b> Deliver the electronic document file only. The electronic file shall be in an electronic format and via a media to be negotiated between the TA (see SOW ref. 2.2(t)) and the Contractor's Task Leader (TL).</p>					
				15. TOTAL →	
G. PREPARED BY Naval Air Warfare Center, Weapons Division, Code 45C000D China Lake, CA 93555-6100		H. DATE <b>2003 JUL 08</b>		I. APPROVED BY  for ADRRB Chairperson	
				J. DATE <b>2003 AUG 14</b>	

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188		
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.							
A. CONTRACT LINE ITEM NO. <b>0001, WSISS TO 0222</b>		B. EXHIBIT <b>B</b>		C. CATEGORY: TDP    TM    OTHER: <b>NDTI</b>			
D. SYSTEM/ITEM <b>AV-8B Wpns Integ. &amp; Sys. Analysis</b>			E. CONTRACT/PR NO. <b>N68936-00-D-0022</b>		F. CONTRACTOR <b>EER Systems, Inc.</b>		
1. DATA ITEM NO. <b>B005</b>		2. TITLE OF DATA ITEM <b>TEST PLAN</b>			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.) <b>DI-NDTI-80566</b>			5. CONTRACT REFERENCE <b>TO SOW 3.1.3</b>		6. REQUIRING OFFICE <b>TA (see SOW Ref. 2.2(t))</b>		
7. DD 250 REQ <b>NO</b>	9. DIST STATEMENT REQUIRED	10. FREQUENCY <b>ASREQ</b>	12. DATE OF FIRST SUBMISSION <b>See Block 16</b>		14. DISTRIBUTION		
8. APP CODE <b>N/A</b>	<b>See Block 16</b>	11. AS OF DATE <b>N/A</b>	13. DATE OF SUBSEQUENT SUBMISSION <b>See Block 16</b>		a. ADDRESSEE		
b. COPIES							
					Final		
					Draft		
					Reg.		
					Repro.		
16. REMARKS					TA (see SOW ref. 2.2(t))		
<p><b>See SOW Reference 2.2(t) for all Government Points of Contact.</b></p> <p><b>blk 4:</b> Tailor DID as follows: Format shall be consistent with the existing on-line electronic database.</p> <p><b>blk 9:</b> Distribution Statement shall be as delivered by the computer database printout format.</p> <p><b>blks 12 &amp; 13:</b> Complete the on-line Draft not later than 1 month prior to start of testing. Complete the on-line Final not later than 2 weeks after receipt of Government review comments.</p> <p><b>blk 14:</b> Product is entry into the on-line database</p>					see	blk	16
					15. TOTAL →		
G. PREPARED BY <b>Naval Air Warfare Center, Weapons Division, Code 45C000D China Lake, CA 93555-6100</b>		H. DATE <b>2003 JUL 08</b>		I. APPROVED BY  <b>for ADRRB Chairperson</b>		J. DATE <b>2003 AUG 14</b>	


DD Form 1423-1, 1 Jun 9090

DD Form 1423-1, 1 Jun 9090

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)				Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government using Contracting Officer for Contract/PR No. listed in Block E.					
A. CONTRACT LINE ITEM NO. <b>0001, WSISS TO 0222</b>		B. EXHIBIT <b>B</b>	C. CATEGORY: TDP      TM      OTHER: <b>MISC</b>		
D. SYSTEM/ITEM <b>AV-8B Wpns Integ. &amp; Sys. Analysis</b>		E. CONTRACT/PR NO. <b>N68936-00-D-0022</b>		F. CONTRACTOR <b>EER Systems, Inc.</b>	
1. DATA ITEM NO. <b>B008</b>	2. TITLE OF DATA ITEM <b>TECHNICAL REPORT-STUDY/SERVICES</b>		3. SUBTITLE <b>Details of Elec. &amp; Mechanical Interfaces and Sequence of Implementation Events Proposal</b>		
4. AUTHORITY (Data Acquisition Document No.) <b>DI-MISC-80508</b>		5. CONTRACT REFERENCE <b>TO SOW 3.2.1</b>		6. REQUIRING OFFICE <b>TA (see SOW Ref. 2.2(t))</b>	
7. DD 250 REQ <b>NO</b>	8. DIST STATEMENT REQUIRED <b>See Block 16</b>	9. FREQUENCY <b>ASREQ</b>	10. DATE OF FIRST SUBMISSION <b>See Block 16</b>	11. DATE OF SUBSEQUENT SUBMISSION <b>See Block 16</b>	
12. APP CODE <b>N/A</b>	13. AS OF DATE <b>N/A</b>		14. DISTRIBUTION		
16. REMARKS  <b>See SOW Reference 2.2(t) for all Government Points of Contact.</b>  <b>blk 4:</b> Tailor DID as follows: Format shall be consistent with existing Customer Code standards (samples available from TA. See SOW reference 2.2(t)).  <b>blk 9:</b> Distribution Statement D: Distribution authorized to the Department of Defense and U.S. DoD contractors only (Critical Technology) (08 July 2003). Other requests shall be referred to the Task Order Technical Assistant (TA, see SOW ref. 2.2(t)).  <b>blks 12 &amp; 13:</b> Submit draft and final version per schedules negotiated between the TA and TL.  <b>blk 14:</b> Deliver one paper copy and the electronic document file. The electronic file shall be in an electronic format and via a media to be negotiated between the TA (see SOW ref. 2.2(t)) and the Contractor's Task Leader (TL).			a. ADDRESSEE		b. COPIES
			TA (see SOW ref. 2.2(t))		see    blk    16
15. TOTAL			see    blk    16		
G. PREPARED BY <b>Naval Air Warfare Center, Weapons Division, Code 45C000D China Lake, CA 93555-6100</b>		H. DATE <b>2003 JUL 08</b>	I. APPROVED BY  <b>for ADRRB Chairperson</b>		J. DATE <b>2003 AUG 14</b>

DD Form 1423-1, 1 Jun 9090

DD Form 1423-1, 1 Jun 9090

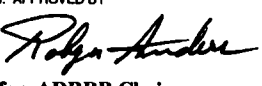
CONTRACT DATA REQUIREMENTS LIST (1 Data Item)				Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.					
A. CONTRACT LINE ITEM NO. <b>0001, WSISS TO 0222</b>		B. EXHIBIT <b>B</b>	C. CATEGORY: TDP TM OTHER: MISC		
D. SYSTEM/ITEM <b>AV-8B Wpns Integ. &amp; Sys. Analysis</b>		E. CONTRACT/PR NO. <b>N68936-00-D-0022</b>		F. CONTRACTOR <b>EER Systems, Inc.</b>	
1. DATA ITEM NO. <b>B00B</b>	2. TITLE OF DATA ITEM <b>TECHNICAL REPORT-STUDY/SERVICES</b>		3. SUBTITLE <b>Special Test Equipment or Electrical Breakout Box Design Folder</b>		
4. AUTHORITY (Data Acquisition Document No.) <b>DI-MISC-80508</b>		5. CONTRACT REFERENCE <b>TO SOW 3.2.3</b>		6. REQUIRING OFFICE <b>TA (see SOW Ref. 2.2(t))</b>	
7. DD 250 REQ <b>NO</b>	9. DIST STATEMENT REQUIRED <b>See Block 16</b>	10. FREQUENCY <b>ASREQ</b>	12. DATE OF FIRST SUBMISSION <b>See Block 16</b>	14. DISTRIBUTION	
8. APP CODE <b>N/A</b>	11. AS OF DATE <b>N/A</b>	13. DATE OF SUBSEQUENT SUBMISSION <b>See Block 16</b>	a. ADDRESSEE		b. COPIES
			Draft		Final
			Reg.		Repro.
16. REMARKS			TA (see SOW ref. 2.2(t))		see blk 16
<p><b>See SOW Reference 2.2(t) for all Government Points of Contact.</b></p> <p><b>blk 4:</b> Tailor DID as follows: Format shall be consistent with existing Customer Code standards (samples available from TA. See SOW reference 2.2(t)).</p> <p><b>blk 9:</b> Distribution Statement D: Distribution authorized to the Department of Defense and U.S. DoD contractors only (Critical Technology) (08 July 2003). Other requests shall be referred to the Task Order Technical Assistant (TA, see SOW ref. 2.2(t)).</p> <p><b>blks 12 &amp; 13:</b> Date of submittal shall be negotiated between the TA and the TL.</p> <p><b>blk 14:</b> Deliver one paper copy and the electronic document file. The electronic file shall be in an electronic format and via a media to be negotiated between the TA (see SOW ref. 2.2(t)) and the Contractor's Task Leader (TL).</p>					
			15. TOTAL →		
G. PREPARED BY <b>Naval Air Warfare Center, Weapons Division, Code 45C000D China Lake, CA 93555-6100</b>		H. DATE <b>2003 JUL 08</b>	I. APPROVED BY  <b>for ADRRB Chairperson</b>		J. DATE <b>2003 AUG 14</b>



DD Form 1423-1, 1 Jun 9090

DD Form 1423-1, 1 Jun 9090

DD Form 1423-1, 1 Jun 9090

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)										Form Approved OMB No. 0704-0188	
<small>Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA, 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.</small>											
A. CONTRACT LINE ITEM NO. <b>0001, WSISS TO 0222</b>			B. EXHIBIT <b>B</b>		C. CATEGORY: TDP      TM      OTHER:      MISC						
D. SYSTEM/ITEM <b>AV-8B Wpns Integ. &amp; Sys. Analysis</b>				E. CONTRACT/PR NO. <b>N68936-00-D-0022</b>			F. CONTRACTOR <b>EER Systems, Inc.</b>				
1. DATA ITEM NO. <b>B00F</b>		2. TITLE OF DATA ITEM <b>TECHNICAL REPORT-STUDY/SERVICES</b>				3. SUBTITLE <b>Software Development Package</b>					
4. AUTHORITY (Data Acquisition Document No.) <b>DI-MISC-80508</b>				5. CONTRACT REFERENCE <b>TO SOW 3.9.1 &amp; 3.9.2</b>			6. REQUIRING OFFICE <b>TA (see SOW Ref. 2.2(t))</b>				
7. DD 250 REQ <b>NO</b>		9. DIST STATEMENT REQUIRED <b>See Block 16</b>		10. FREQUENCY <b>ASREQ</b>		12. DATE OF FIRST SUBMISSION <b>See Block 16</b>		14. DISTRIBUTION			
8. APP CODE <b>N/A</b>		11. AS OF DATE <b>N/A</b>		13. DATE OF SUBSEQUENT SUBMISSION <b>See Block 16</b>		a. ADDRESSEE		b. COPIES			
								Draft		Final	
								Reg.		Repro.	
								see		blk	
								16			
16. REMARKS											
<p><b>See SOW Reference 2.2(t) for all Government Points of Contact.</b></p> <p><b>blk 4:</b> Tailor DID as follows: Format shall be consistent with existing Customer Code standards (samples available from TA. See SOW reference 2.2(t)).</p> <p><b>blk 9:</b> Distribution Statement D: Distribution authorized to the Department of Defense and U.S. DoD contractors only (Critical Technology) (08 July 2003). Other requests shall be referred to the Task Order Technical Assistant (TA, see SOW ref. 2.2(t)).</p> <p><b>blks 12, 13, &amp; 14:</b> Submit product electronically only not later than 15 working days after receipt of tasking "markups". The method of electronic delivery and media (if any) shall be negotiated between the TA (see SOW ref. 2.2(t)) and the Contractor's Task Leader (TL).</p>											
15. TOTAL →								see   blk   16			
G. PREPARED BY <b>Naval Air Warfare Center, Weapons Division, Code 45C000D China Lake, CA 93555-6100</b>				H. DATE <b>2003 JUL 08</b>		I. APPROVED BY  <b>for ADRRB Chairperson</b>			J. DATE <b>2003 AUG 14</b>		

## Section H

H.1.0 POINTS OF CONTACT: All Government Points of Contact are identified in Statement of Work (SOW) reference 2.2(t), and can be found at <http://www.eer-rc.com>.

H.2.0 SECURITY CLASSIFICATION AND CONTROL: This TO may involve information up to the Security Classification of **SECRET**.

H.2.1 Shared Access: The Contractor shall perform and adhere to the Security responsibilities defined in Security Servicing Agreement attached to this Task Order.

H.3.0 NAVAL AIR WEAPONS STATION (NAWS) ACCESS: Contractor access will be provided to the following NAWS, China Lake restricted areas:

N	North Ranges
F	Airfield Flight Line Area (incl. enclosed bldgs.)
M	Michelson/Lauritsen Laboratories

H.3.1 The Contractor shall request access for each employee working on this TO to only those NAWS restricted areas to which the employee requires regular access while working on this TO. When a Contractor employee no longer requires regular access to a restricted area, the Contractor shall request appropriate downgrade to that employee's access privileges.

H.4.0 SAFETY: Work under this Task Order may be performed in and around military aircraft. The Contractor shall assure that his personnel have and use appropriate safety equipment and comply with NAWCWD safety requirements. Where work is in the area of explosives, the Contractor is responsible for assuring that personnel have the proper training, certifications, safety equipment, and procedures.

H.5.0 ACCESS TO GOVERNMENT VEHICLES: The requirements of this Task Order may require the Contractor to operate Government-owned vehicles, on- and off-Center, while performing assigned tasks. Access to Government-owned vehicles will be on an "as available" basis, not to interfere with Government use of said vehicles. Potential use of Government-owned vehicles may include: (a) attending meetings and (b) transport of data, equipment, material, and Contractor personnel to/from various locations. The contractor shall ensure that individuals driving a Government-owned vehicle have a valid California driver's license and vehicle insurance coverage for Contractor employees driving designated Government vehicles, per FAR 52.228-7.

H.6.0 GOVERNMENT FURNISHED EQUIPMENT / DATA: The Government will provide on-site Contractor employees access to all computer systems, tools, equipment, and technical data required to accomplish TO tasking.

H.6.1 The Contractor shall request access authorization to Government computer systems for only those employees actually needing such access for the performance of their duties in support of this TO. The Contractor shall ensure that all Contractor employees granted access to Government computer systems or equipment adhere to all related Government security procedures. When a Contractor employee no longer requires access to a Government computer system in support of this TO, the Contractor shall attempt to verbally notify the applicable Government Computer Resources Access Data Manager, and the Contractor shall send written notification within 2 days. If a Contractor employee with access privileges to Government computer systems is transferred from this TO or terminated, the Contractor shall immediately attempt to verbally notify the Government Computer Resources Access Data Manager, and the Contractor shall send written notification within 2 days of the transfer/termination.

H.7.0 PURCHASED MATERIALS: The Contractor may be required to purchase safety equipment and medical tests (see Note 4.0).

H.8.0 CONTRACTOR FURNISHED EQUIPMENT / MATERIALS / SUPPLIES: The Contractor shall furnish all other materials/equipment/supplies, including computer terminals and modems capable of communicating with the laboratories, as required to accomplish efforts established by this SOW and performed within the Contractor's off-Base facility.

H.9.0 TRAVEL: Non-local, domestic and foreign, travel may be required in the performance of this TO to attend technical meetings, assist in integration and test efforts, or gather technical information, and training (see SOW Sects. 3.1, 3.4 & 3.5, & Note 10.0). All travel shall be approved in advance by the Technical Assistant (or Alternate), Contracting Officer's Representative (COR), and the Contracting Officer or designee (see Note 1.0).

H.10.0 TRAINING: Training may be required in the performance of this TO for advanced operating systems and system operation techniques (see SOW Sect. 3.2). Locally available training is strongly encouraged. All training shall be approved in advance by the Technical Assistant (or Alternate), Contracting Officer's Representative (COR), and the Contracting Officer or designee (see Note 1.0).

H.11.0 INSPECTION AND ACCEPTANCE: Inspection and acceptance of all deliverables will be accomplished Technical Assistant or Alternate (see Note 1.0).

H.12.0 PLACE OF DELIVERY: Naval Air Warfare Center, China Lake, CA 93555-6001, Attn: (name of Government TA, (see Note 1.0)).

H.13.0 WORKING HOURS: The requirements of this Task Order may necessitate the Contractor to schedule irregular shift work for some of their personnel (see SOW Sects. 3.2 - 3.4 & 3.8). The Contractor shall utilize irregular shift work rather than overtime to the greatest extent possible.

**SECURITY SERVICING AGREEMENT  
BETWEEN  
SECURITY COORDINATOR  
AV-8B JOINT SYSTEM SUPPORT ACTIVITY (JSSA) IPT  
AND  
FACILITY SECURITY OFFICER  
EER SYSTEMS, INC.**

Ref: (a) SECNAVINST 5510.36  
(b) NAVWPNCENINST 5510.30  
(c) DoD 5220.22M (NISPOM)

Encl: (1) Statement of Work (Security Requirements)  
(2) Security Agreement

1. This agreement establishes guidelines in enclosure (1) on the provisions of security functions performed by EER, Inc. in support of the AV-8B WSSF (455210D) contract N68936-00-D-0022, delivery order 0222 at China Lake (CL). This is follow-on to Delivery Order numbers 0202.
2. Security procedures in Building ☐ rooms ☐ China Lake, will be pursuant to references (a) through (c) and this agreement.

(b)(2)

*Quanta L. Martin*  
Quanta L. Martin  
CONTRACTING OFFICER 9-16-03  
FOR SECURITY MATTERS  
CODE 748100D, NAWCWPNS  
CHINA LAKE, CA 93555

*Mario DiDomenico*  
Mario DiDomenico 9-16-03  
SECURITY COORDINATOR  
(Code 500000D), NAWCWPNS  
CHINA LAKE, CA 93555

*Mary Anne Arnold*  
Mary Anne Arnold  
EER Systems Incorporated  
FACILITY SECURITY OFFICER  
330 E. RIDGECREST BLVD. Suite B  
RIDGECREST, CA 93555

# **SECURITY PROCEDURES FOR STATEMENTS OF WORK**

## **1-7 SECURITY REQUIREMENTS**

- a. The work to be performed under this contract as stated in the DD Form 254, Attachment number 05 involves access to and handling of classified material up to and including SECRET COMSEC.
  - b. The classified material that will be shared between the contractor and government employees will be stored in container no. [ ] and container no. [ ] in room [ ] of Building [ ]. The classified open storage rooms that will be shared between the contractor and government employees are located in room numbers [ ] and [ ] of Building [ ]. Room [ ] is used for storage of classified hardware. The containers that are located in these rooms are container no. [ ] and container no. [ ]. The contractor will be given access to the safe containers. The contractor will be given the combinations to the combination locking doors to these rooms for access purposes only. Room [ ] is an entryway secured by a combination lock on a double fire door and is controlled via a card key system that permits entry only when the combination lock is unlocked, which must be traversed to gain entry to room [ ]. Access to room [ ] is secured by a separate combination lock on a separate double fire door and is also controlled via a card key system that permits entry only when the combination lock is unlocked during working hours when there is an employee (contractor or government) present in the room. Room [ ] has no security containers in it, however it is used as a work area where classified documents are used. All documents shall be returned to these containers before personnel leave the area.
 

(b)(2)
  - c. Security procedures for shared use of government open storage classified rooms/containers and classified hardware are as follows:
    1. Standard Forms (SF) 702 are to be properly completed when opening and closing storage rooms/containers, the form will be initialed and the date and time of the day noted. (In room [ ], Government employees are responsible for securing classified documents and security containers. Contractors will be responsible for securing the classified safe containers located within room [ ] only if the container is left open and there are no government employees around.) (In this case the contractor will report the incident to the Department Security Coordinator.)
    2. Persons in possession of classified material shall follow procedures, which ensure that unauthorized persons do not gain access by sight or sound.
      - (a) Classified information will not be removed from security containers/rooms except in the performance of official duties. Classified information removed from storage will be in the possession of or under the direct supervision of authorized persons or secured in authorized containers/rooms when not in use.
      - (b) Classified documents removed from storage will be kept under constant surveillance and covered with a cover sheet. Cover sheets shall be Standard Forms (SF) 704, and 705 for Secret and Confidential documents respectively. For folders use: NAWCWD 5218/1 (9-01), Folder - Unclassified; NAWCWD 5218/3 (9-01) (OP) SF 705, Folder - Confidential; NAWCWD 5218/4 (9-01) (OP) SF 704, Folder - Secret. Open storage is not approved for classified documents in Rooms 506 or 508.
      - (c) Classified information will not be discussed with or in the presence of unauthorized persons. Particular care must be taken when there are visitors or workmen present. Escorts must alert fellow workers when visitors or workmen are in the area. Classified information will not be discussed in the vicinity of open doors or windows and where discussions may be overheard over telephones or through heating and cooling vents.
- (b)(2)



(d) Preliminary drafts, carbon sheets, magnetic media, typewriter/printer ribbons, plates, stencils, stenographic notes, worksheets, and all similar items used to produce classified information will be safeguarded as classified material.

3. Persons who have access to the combinations of security containers/rooms must provide the Department Security Coordinator the information required to complete a SF 700. Personnel who have access to security containers/rooms must sign the privacy act advisement on the reverse side of the SF 700.

4. Classified material removed from and returned to the container will be logged using the log sheet filed in the front of each file drawer.

5. Classified material will not be reproduced, destroyed, transferred, or removed from authorized work areas.

6. A document listing all classified documents contained in the container will be located in the locking drawer of all shared access security containers. The Government employee is responsible for keeping this list current.

7. Hand-carried classified information on-Station, China Lake will be accomplished as follows:

(a) Within the NAWC/NAWS airfield vicinity in accordance with paragraph 2(b).

(b) Material will be transported to and from test sites and to and from codes within 450000D, 410000D, and 742000D. Classified material will be double wrapped when transported by automobile. Transportation of classified information by foot requires a cover sheet or folder (see paragraph 2 (b)) and an outer wrapping. If the classified material is capable of being wrapped in plain brown envelopes, it will be wrapped as such. Wrapping will be secured with brown paper tape (reinforced paper tape is preferred). A combination lock briefcase may substitute for the outer wrapping. The tape manufacturer's covering of the tape is considered the inside wrapping for magnetic media. The contractor may contact the Department Security Coordinator for additional guidance.

(c) Obtain appropriate hand carry documentation from the Contractor's Facility Security Officer.

8. If emergency evacuation (fire, earthquake, etc.) of the workspace is required, classified information will be secured provided it can be secured safely without injury or loss of life. If there is any personal danger, the material will be left in place and the area evacuated. If classified material is left unsecured this information will be immediately reported to the government official in charge at the assembly area.

d. Security procedures for key and key card control.

The appropriate key custodian will issue Keys/key cards. Keys/key cards will be signed for using appropriate log forms. Contractors will report to the key custodian missing/lost keys/key card. Keys/key cards will be returned to the key custodian when no longer needed. The FSO of the contractor will be provided a copy of the key log or other documentation to identify contractor individuals who have been issued keys/key cards.

e. Security procedures for violations and infractions.

1. All security violations shall be immediately reported to the Department Security Coordinator and Contractor Facility Security Officer. A violation is any violation of security procedures which subjects classified information to compromise. Classified information is subjected to compromise whenever it is left unattended or unsecured.

2. Persons contacted as the responsible person, per the SF 700, after non-duty hours, shall respond to the workspace and inventory all classified documents stored in the container. The results of

the inventory including all missing documents will be immediately reported to government security and the Police (Physical Security Division, Code 841000D (939-8372 or the Law Enforcement Division, Code 841200E (Code 841200E (989-7059) as appropriate. Additionally, the Government Department Security Coordinator, Contractor Facility Security Officer and the Information Security Division, Code 741000D/E will be advised immediately at the beginning of the next work day.

f. Security procedures for security checks

1. Whenever the workspace is to be left unoccupied for any period of time, a security check shall be conducted. Workspace is considered unoccupied when it is not under constant surveillance by authorized personnel.

(a) Normally contractor personnel are not permitted in government buildings unless government personnel are present. However, if a situation arises where a contractor is the last person to leave the area, the following procedures are applicable.

(b) Each individual shall ensure that his or her working area is secure by checking the working area for classified material. Areas checked shall include desk tops, tops of filing cabinets and security containers, working trays and baskets, computers, reproduction machines, fax machines, shredders, etc. All classified materials including classified waste identified in paragraph 1-7 C.2 (d) must be secured in authorized containers. If classified materials are not secured in authorized containers, then the contractor must contact a government employee or the Department Security Coordinator immediately to secure the material.

(c) All security containers will be locked by rotating the dial of the combination lock at least four complete turns in one direction and checking each drawer to ensure that it is securely locked in place. This locking shall be documented using the SF 702 posted on or near the security container. If there is a person other than the individual who locked the container available, he/she shall be requested to check the container by repeating the locking process and completing the "checked by" column. If no one is available other than the person who locked the container, he/she shall perform the checking process as a separate and distinct action and complete the "checked by" column.

2. Normally contractor personnel are not permitted in government buildings after hours unless government personnel are present. Government personnel will assume responsibility for securing the building at the end of the workday. However, if a situation arises where a contractor is the last person to leave the building, the following procedure is applicable:

The last person leaving the area shall check to ensure that all classified material including classified waste is stored in authorized shared access security containers and that all containers have been locked and checked per procedures in the preceding paragraph. If the "checked by" column of the SF 702 posted on or near the security container has not been completed, the last person out will rotate the dial of the combination lock at least four times in one direction, check each drawer of the container to ensure it is secured and complete the "check by" column. Following this, the security check shall be documented using the SF 701 posted at or near the exit. Each item of the SF 701 will be initialed indicating that each item has been completed.

g. The contractor shall appoint an on-site worker to be the security point of contact responsible for ensuring contractor security compliance with this agreement.

## SECURITY AGREEMENT

N68936-00-D-0022/Delivery Order Number 0202 (follow on to 0206 and 0221)

I. Room [ ] is used office space shared by government and contractor personnel as office space. Classified documents are reviewed in this room but are not ever stored in this room. I agree to share security container lockup with contractors for: 1) container no. [ ] and container no. [ ] Room [ ] container no. [ ] and container no. [ ] and the combination locked doors to Rooms [ ] and [ ] with the following understanding:

(b)(2)

- The security containers/rooms are government property. As such the security of these containers/rooms must remain the ultimate responsibility of a government employee.
  - Material stored in these containers/rooms for which I have signed a receipt or have been assigned responsibility remain my responsibility.
  - If a security violation occurs involving these containers/rooms or the documents stored therein and an individual contractor is not found culpable for the violation, I may be held accountable and may be subject to administrative or disciplinary sanctions, and criminal penalties. Administration and disciplinary sanctions include, oral admonishments, letter of caution and requirements, written reprimands, suspensions without pay, and removal.
  - All security violations will be immediately reported to the Department Security Coordinator. The Department Security Coordinator is responsible for notifying the Information Security Division, Code 741000DrE and the Contractor Facility Officer (FSO). The FSO will be permitted access to the work site to conduct the security violation investigation required by the NISPOM.
- II. I agree to take the following security precautions in addition to any other security responsibilities I may have been assigned:
- I will ensure that all contractors have been properly instructed in security procedures prior to allowing them to have access to these containers/rooms.
  - At least once each week, I shall conduct a check of the document sign-out/sign-in logs to ensure that they are being properly used. I shall challenge one or more contractors who are in possession of classified material to prove that the material in their possession was signed-out. Violations will be immediately reported to the Security Coordinator for appropriate action.
  - At least once each week, I shall conduct an end of the day security "double check" of the workspace to ensure that the workspace and all security containers/rooms have been secured and that Standard Forms 701 and 702 are being properly used and maintained.
  - I shall maintain a current listing of all documents filed in shared containers.

Darrel Babee  
REQUESTING TECHNICAL ASSISTANT

*Darrel W. Babee*  
(Signature)

9-16-03  
(Date)

Darwin Rosentof  
(Supervisor)

*Darwin Rosentof*  
(Signature)

9/16/03  
(Date)

DEPARTMENT SECURITY COORDINATOR  
MARGO DIDOMENICO  
Code 46 Security Coordinator

*Margo DiDoménico*  
(Signature)

9-16-03  
(Date)